Application No. 09/615,233
Amendment dated 8/6/03
Reply to Office Action of May 8, 2003

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims:**

1. (Currently Amended) A head-mounted image display apparatus comprising:

an image display element;

a projection optical system that projects an image displayed by said image display element;

a screen on which the image projected by said projection optical system is <del>imaged;</del> formed; and

a combiner disposed between said projection optical system and said screen, wherein said combiner transmits image light from said projection optical system and directs it to said screen, and reflects the image light reflected at the screen while simultaneously transmitting external light.

- 2. (Cancelled).
- 3. (Original) A head-mounted image display apparatus as claimed in claim 1, wherein said screen is disposed above or below a user's pupil.
- 4. (Original) A head-mounted image display apparatus as claimed in claim 1, further comprising an eyepiece optical system disposed between said combiner and the user,

wherein said eyepiece optical system enlarges the image projected onto said screen.

Application No. 09/615,233 Amendment dated 8/6/03 Reply to Office Action of May 8, 2003

- 5. (Original) A head-mounted image display apparatus as claimed in claim 4, further comprising an optical element disposed on an external side of said combiner with respect to said eyepiece optical system.
- (Original) A head-mounted image display apparatus as claimed in claim 5, wherein a composite optical power of said eyepiece optical system and said optical element is substantially zero.
- 7. (Original) A head-mounted image display apparatus as claimed in claim 1, wherein said image display apparatus has a plurality of units each including said image display element and said projection optical system.
  - 8. (Original) A head-mounted image display apparatus as claimed in claim 7, wherein said units form images corresponding to the user's left and right pupils.
  - 9. (Original) A head-mounted image display apparatus as claimed in claim 1, wherein said screen has a retroreflection characteristic.
  - 10. (Original) A head-mounted image display apparatus as claimed in claim 1, wherein said combiner is a half mirror or a polarization separation member.
- 11. (Currently Amended) A head-mounted image display apparatus comprising:

an image display element;

a projection optical system that projects an image displayed by said image display element;

a screen on which the image projected by said projection optical system is <del>imaged;</del> formed; and

a combiner that reflects image light reflected at said screen, and simultaneously transmits external light.



Application No. 09/615,233 Amendment dated 8/6/03 Reply to Office Action of May 8, 2003

12. (Original) A head-mounted image display apparatus as claimed in claim 11,

wherein said combiner further transmits image light from said projection optical system and directs it to said screen.

13. (Currently Amended) A head-piece adapted to be worn on a head of a wearer, the head of the wearer having a face, the head-piece comprising:

a hood, said hood adapted to be positioned on the head of the wearer;

a visor having a first end and a second end, said first end of said visor rotatably mounted to said hood such that said visor rotates from a first position, substantially covering the face of the wearer, to a second position not substantially covering the face of the wearer;

an image display apparatus comprising:

an image display element;

a projection optical system that projects an image displayed by said image display element;

a screen on which the image projected by said projection optical system is imaged; formed;

a combiner that reflects image light reflected at said screen, and transmits external light;

an eyepiece optical system disposed between said combiner and the wearer, wherein said eyepiece optical system enlarges the image projected onto said screen; and

an optical element disposed on an external side of said combiner with respect to said eyepiece optical system,

wherein a composite optical power of said eyepiece optical system and said optical element is substantially zero, and

wherein said image display apparatus is positioned substantially at said second end of said visor.

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